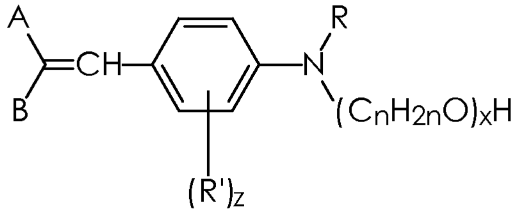
AMENDMENTS TO THE CLAIMS:

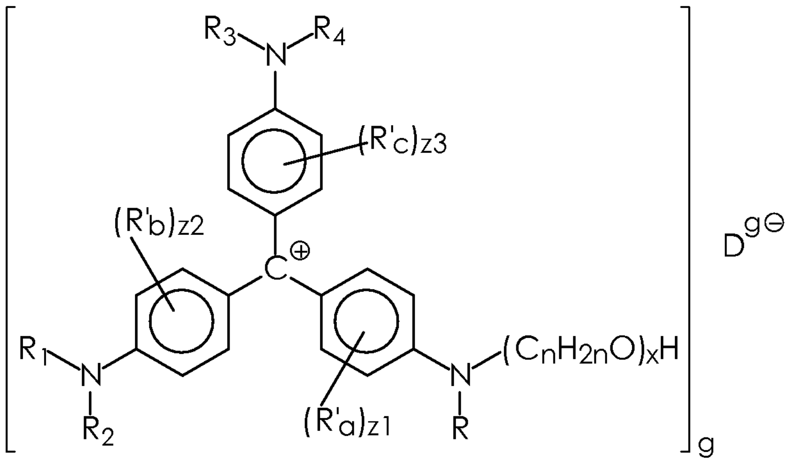
This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

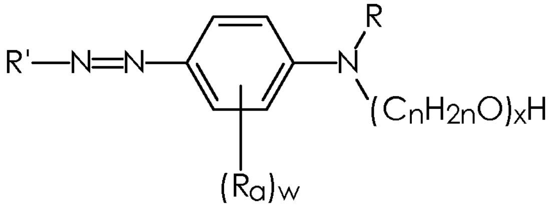
1. (Currently Amended) An ink composition comprising (a) an aqueous liquid vehicle, and (b) a colorant which comprises an anhydride-based copolymer having at least one chromogen covalently bonded thereto and at least one ester, amide, imide, or thioester group covalently bonded thereto, said colorant being soluble or dispersible in the aqueous liquid vehicle, wherein the ink has a viscosity at about 25°C of no more than about 10 centipoise, wherein the anhydride-based copolymer has covalently bonded thereto a chromogen generated from (a) chromogenic compounds of the formula



wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule; (b) chromogenic compounds of the formula



wherein R, R_1, R_2, R_3, and R_4 each, independently of the others, is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R, R_1, R_2, R_3, and R_4 each can be joined to a phenyl moiety to form a ring, each R'_a, R'_b, and R'_c, independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z_1, z_2, and z_3 each, independently of the others, is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, D is an anion, and g is the charge on the anion, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule; (c) chromogenic compounds of the formula

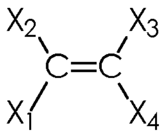


wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, R' is an aromatic- or heteroaromatic-containing group, each R_a, independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, w is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, and x is an integer representing the number of repeat alkylene oxide units, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule; (d) Disperse Red 13, Disperse Blue 34, Disperse Red 156, Disperse Red 90, Disperse Blue 85, Disperse Blue 8, Disperse Red 91, Disperse Red 55, Disperse Red 1, Disperse Blue 3, Basic Blue 41, Disperse Red 8, Disperse Red 98, Disperse Red 109, and Disperse Red 97; or (e) mixtures thereof.

2. (Original) An ink according to claim 1 wherein the anhydride-based copolymer comprises anhydride-based repeat units generated from monomers selected from the group consisting of maleic anhydride, itaconic anhydride, dimethyl maleic anhydride, chloromaleic anhydride, bromomaleic anhydride, iodomaleic anhydride, dichloromaleic anhydride, dibromomaleic anhydride, diiodomaleic anhydride, and mixtures thereof.

3. (Original) An ink according to claim 1 wherein the anhydride-based copolymer comprises nonanhydride-based repeat units generated from olefinically unsaturated monomers.

4. (Original) An ink according to claim 3 wherein the olefinically unsaturated monomers are of the formula



wherein X_1, X_2, X_3, and X_4 each, independently of the others, is a hydrogen atom, a halogen atom, a hydroxy group, an amine group, an ammonium group, a cyano group, a pyridine group, a pyridinium group, an ether group, a carbonyl group, a thiocarbonyl group, an aldehyde group, a ketone group, an ester group, an amide group, a sulfate group, a sulfonate group, a sulfonic acid group, a sulfide group, a sulfoxide group, a phosphine group, a phosphonium group, a phosphate group, a nitrile group, a mercapto group, a nitro group, a nitroso group, a sulfone group, an acyl group, an azide group, an azo group, a cyanato group, an isocyanato group, a thiocyanato group, an isothiocyanato group, a carboxylate group, a carboxylic acid group, a urethane group, a urea group, an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group.

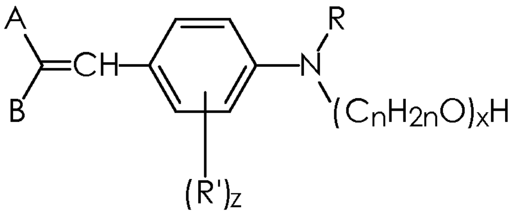
5. (Original) An ink according to claim 3 wherein the olefinically unsaturated monomers are selected from the group consisting of butadiene, stilbene (1,2-diphenylethene), ethylene, 1-propylene, 1-butylene, 1-octadecene, vinyl ether, methoxyvinylether, methyl vinyl ether, butyl vinyl ether, hexyl vinyl ether, octyl vinyl ether, decyl vinyl ether, ethylhexyl vinyl ether, methoxyethyl vinyl ether, ethoxyethyl vinyl ether, chloroethyl vinyl ether, 1-methyl-2,2-dimethylpropyl vinyl ether, 2-ethylbutyl vinyl ether, hydroxyethyl vinyl ether, dimethylaminoethyl vinyl ether, styrene, methylstyrene, dimethylstyrene, trimethylstyrene, ethylstyrene, diethylstyrene, isopropylstyrene, butylstyrene, hexylstyrene, cyciohexylstyrene, decylstyrene, chloromethylstyrene, trifluoromethylstyrene, ethoxymethylstyrene, acetoxymethylstyrene, methoxystyrene, 4-methoxy-3-methylstyrene, dimethoxystyrene, chlorostyrene, dichlorostyrene, trichlorostyrene, tetrachlorostyrene, pentachlorostyrene, bromostyrene, dibromostyrene, iodostyrene, trifluorostyrene, 2-bromo-4-trifluoromethylstyrene, acrylic acid, methacrylic acid, itaconic acid, maleic acid, citraconic acid, styrene sulfonic acid, vinylbenzylsulfonic acid, vinyl sulfonic acid, methyl acrylate, ethyl acrylate, n-propyl acrylate, isopropyl acrylate, n-butyl acrylate, isobutyl acrylate, sec-butyl acrylate, amyl acrylate, hexyl acrylate, 2-ethylhexyl acrylate, octyl acrylate, tert-octyl acrylate, 2-phenoxyethyl acrylate, 2-chloroethyl acrylate, 2-bromoethyl acrylate, 4-chlorobutyl acrylate, cyanoethyl acrylate, 2-acetoxyethyl acrylate, dimethylaminoethyl acrylate, benzyl acrylate, methoxybenzyl acrylate, 2-chlorocyclohexyl acrylate, cyclohexyl acrylate, furfuryl acrylate, tetrahydrofurfuryl acrylate, phenyl

acrylate, 5-hydroxypentyl acrylate, 2,2-dimethyl-3-hydoxypropyl acrylate, 2-methoxyethyl acrylate, 3-methoxybutyl acrylate, 2-ethoxyethyl acrylate, 2-isopropoxyethyl acrylate, 2-butyoxyethyl acrylate, 2-(2-methoxyethoxy) ethyl acrylate, 2-(2-butoxyethoxy) ethyl acrylate, 1-bromo-2-methoxyethyl acrylate, 1,1-dichloro-2-ethoxyethyl acrylate, methyl methacrylate, ethyl methacrylate, n-propyl methacrylate, isopropyl methacrylate, n-butyl methacrylate, isobutyl methacrylate, sec-butyl methacrylate, amyl methacrylate, hexyl methacrylate, cyclohexyl methacrylate, benzylmethacrylate, chlorobenzyl methacrylate, octyl methacrylate, N-ethyl-N-phenylaminoethyl methacrylate, 2-(3-phenylpropyloxy) ethyl methacrylate, dimethylaminophenoxyethyl methacrylate, furfuryl methacrylate, acrylamide, methylacrylamide, tert-butylacrylamide, tert-octylacrylamide, benzylacrylamide, cyclohexylacrylamide, phenylacrylamide, dimethylacrylamide, dipropylacrylamide, hydroxyethyl-N-methylacrylamide, N-methylphenylacrylamide, N-ethyl-N-phenylacrylamide, methylmethacrylamide, tert-butylmethacrylamide, tert-octylmethacrylamide, benzylmethacrylamide, cyclohexylmethacrylamide, phenylmethacrylamide, dimethylmethacrylamide, dipropylmethacrylamide, hydroxyethyl-N-methylmethacrylamide, N-methylphenylmethacrylamide, N-ethyl-N-phenylmethacrylamide, methacrylhydrazine, methyl vinyl ketone, phenyl vinyl ketone, methoxyethyl vinyl ketone, vinyl chloride, vinylidene chloride, chlorotrifluoro ethylene, acrylonitrile, methacyrlonitrile, vinyl acetate, and mixtures thereof.

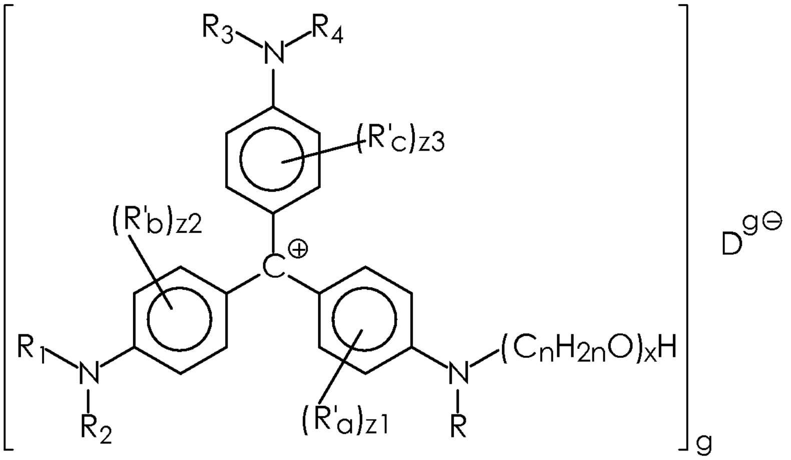
6. (Previously Presented) An ink according to claim 1 wherein the anhydride-based copolymer has a number average molecular weight of at least about 750.

7. (Previously Presented) An ink according to claim 1 wherein the anhydride-based copolymer has a number average molecular weight of no more than about 75,000.

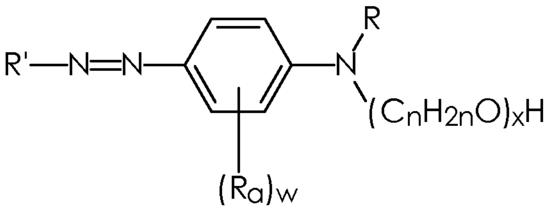
8. (Original) An ink according to claim 1 wherein the anhydride-based copolymer has covalently bonded thereto a chromogen generated from (a) chromogenic compounds of the formula



wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule; (b) chromogenic compounds of the formula



wherein R, R_1, R_2, R_3, and R_4 each, independently of the others, is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R, R_1, R_2, R_3, and R_4 each can be joined to a phenyl moiety to form a ring, each R'_a, R'_b, and R'_c, independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z_1, z_2, and z_3 each, independently of the others, is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, D is an anion, and g is the charge on the anion, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule; (c) chromogenic compounds of the formula

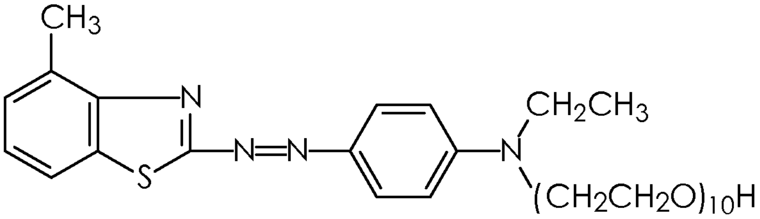


wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, R' is an aromatic- or heteroaromatic-containing group, each R_a, independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, w is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, and x is an integer representing the number of repeat alkylene oxide units, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule; or (d) mixtures thereof.

9. (Previously Presented) An ink according to claim 1 wherein the chromogen covalently bonded to the anhydride-based copolymer is generated from Disperse Red 13, Disperse Blue 34, Disperse Red 156, Disperse Red 90, Disperse Blue 85, Disperse Blue 8, Disperse Red 91, Disperse Red 55, Disperse Red 1, Disperse Blue 3, Basic Blue 41, Disperse Red 8, Disperse Red 98, Disperse Red 109, Disperse Red 97, or mixtures thereof.

10. (Cancelled)

11. (Original) An ink according to claim 1 wherein the chromogen covalently bonded to the anhydride-based copolymer is generated from



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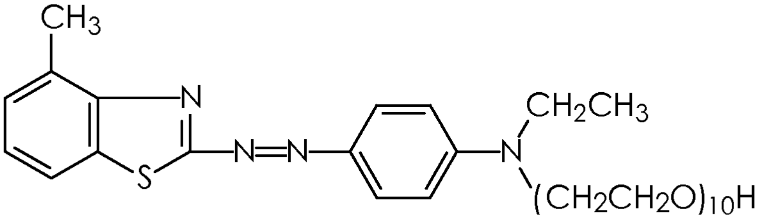

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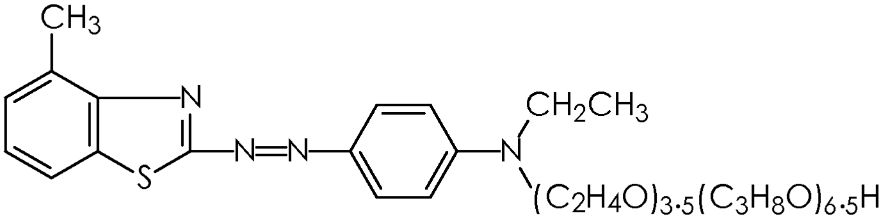

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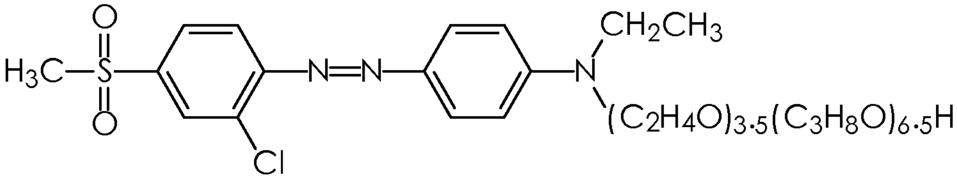

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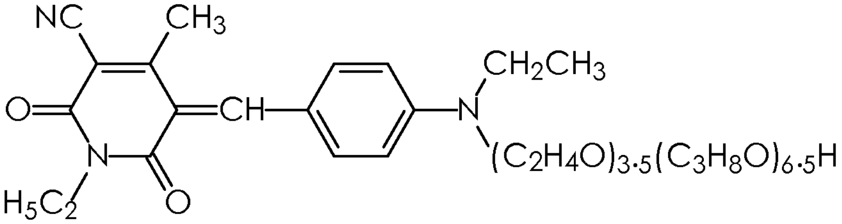

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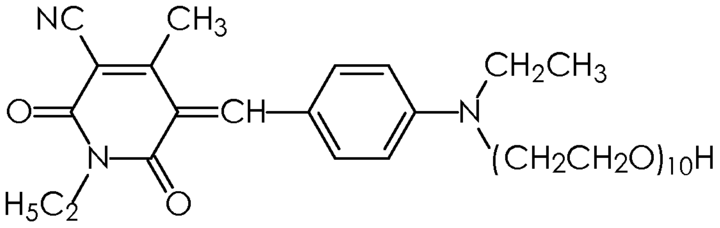

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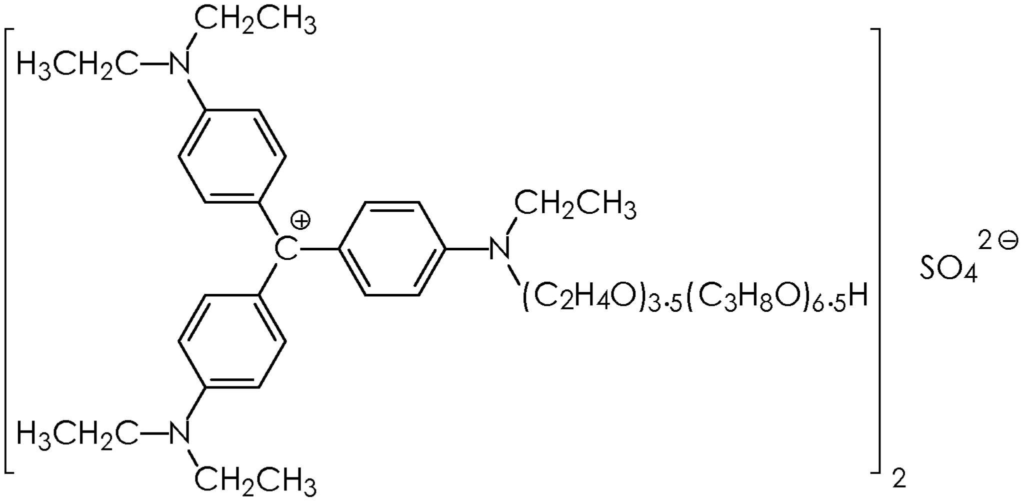

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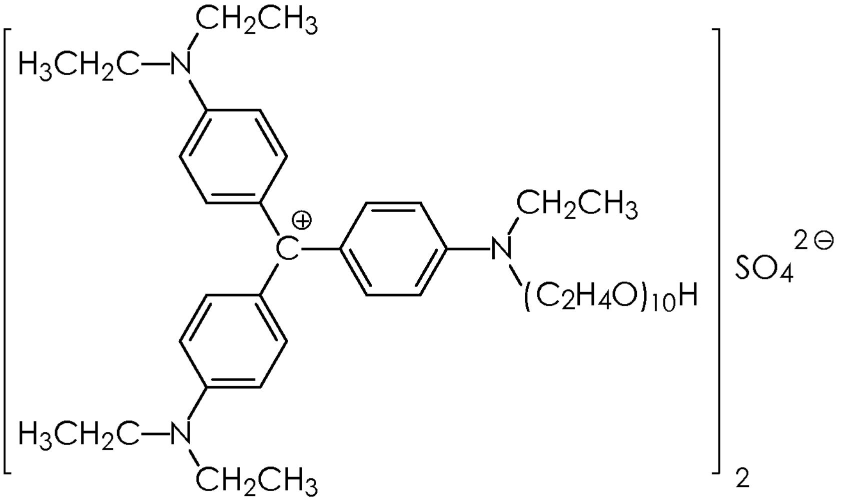

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or mixtures thereof.

12. (Original) An ink according to claim 1 wherein the anhydride-based copolymer is generated by reacting an anhydride copolymer and a chromogenic compound in relative amounts of at least about 1.1 moles of anhydride repeat monomer units per every one mole of chromogenic compound.

13. (Original) An ink according to claim 1 wherein the anhydride-based copolymer is generated by reacting an anhydride copolymer and a chromogenic compound in relative amounts of no more than about 20 moles of anhydride repeat monomer units per every one mole of chromogenic compound.

14. (Original) An ink according to claim 1 wherein the ester, amide, imide, or thioester group covalently bonded to the anhydride-based copolymer is bonded to the anhydride-based copolymer by reacting an anhydride copolymer and a nonchromogenic monofunctional alcohol, a nonchromogenic monofunctional thiol, a nonchromogenic primary or secondary amine, or a mixture thereof.

15. (Original) An ink according to claim 14 wherein the nonchromogenic monofunctional alcohol is of the formula

$$R\text{-}OH$$

wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group.

16. (Previously Presented) An ink according to claim 14 wherein the nonchromogenic monofunctional alcohol is methanol, ethanol, linear and branched propanols, linear and branched butanols, linear and branched pentanols, linear and branched hexanols, linear and branched heptanols, linear and branched octanols, linear and branched nonanols, linear and branched decanols, linear and branched undecanols, linear and branched dodecanols, linear and branched tridecanols, linear and branched tetradecanols, linear and branched pentadecanols, linear and branched hexadecanols, linear and branched heptadecanols, linear and branched octadecanols, 3-cyclohexyl-1-propanol, 2-cyclohexyl-1-ethanol, cyclohexylmethanol, cyclohexanol, 4-methyl cyclohexanol, 4-ethylcyclohexanol, 4-t-butylcyclohexanol, benzyl alcohol, octylphenol ethoxylate, octyl, nonyl, and dodecylphenol alkoxylates of octyl, nonyl, and dodecylphenol, and alkoxyphenol, phenol, naphthol, hydroabietyl alcohol, cholesterol, vitamin E, N,N-dimethyl-N-ethanolamine, stearamide-monoethanolamine, tripropylene glycol monomethyl ether, hydroxybutanone, menthol, isobomeol, terpineol, 12-hydroxy stearyl stearamide, $C_{11}H_{22}$-O-$(CH_2CH_2O)_nH$ wherein n has an average value of 3, or mixtures thereof.

17. (Original) An ink according to claim 14 wherein the nonchromogenic primary or secondary amine is of the formula

R-NHR'

wherein R and R' each, independently of the other, are alkyl groups, aryl groups, arylalkyl groups, or alkylaryl groups, wherein R' can also be a hydrogen atom.

18. (Original) An ink according to claim 14 wherein the nonchromogenic primary or secondary amine is selected from the group consisting of methyl amine, ethyl amine, linear and branched propyl amines, linear and branched butyl amines, linear and branched pentyl amines, linear and branched hexyl amines, linear and branched heptyl amines, linear and branched octyl amines, linear and branched nonyl amines, linear and branched decyl amines, linear and branched undecyl amines, linear and branched dodecyl amines, linear and branched tridecyl amines, linear and branched tetradecyl amines, linear and branched pentadecyl amines, linear and branched hexadecyl amines, linear and branched heptadecyl amines, linear and branched octadecyl amines, dimethyl amine, diethyl amine, linear and branched dipropyl amines, linear and branched dibutyl amines, linear and branched dipentyl amines, linear and branched dihexyl amines, dicyclohexyl amine, linear and branched diheptyl amines, linear and branched dioctyl amines, linear and branched dinonyl amines, linear and branched didecyl amines, linear and branched diundecyl amines, linear and branched didodecyl amines, linear and branched ditridecyl amines, linear and branched ditetradecyl amines, linear and branched dipentadecyl amines, linear and branched dihexadecyl amines, linear and branched diheptadecyl amines, linear and branched dioctadecyl amines, 2-ethylhexyl amine, cyclohexyl amine, 2,3-dimethyl-1-cyclohexylamine, piperidine, pyrrolidine, benzyl amine, aniline, anisidine, rosin amine, abietic amine, dehydroabietyl amine, dihydroabietyl amine, hydroabietyl amine, adamantyl amine, isonipecotamide,

polyoxyalkylenemonoamines, 3,3'-diamino-N-methyldipropylamine, and mixtures thereof.

19. (Original) An ink according to claim 14 wherein the nonchromogenic monofunctional thiol is of the formula

R-SH

wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group.

20. (Original) An ink according to claim 14 wherein the nonchromogenic monofunctional thiol is selected from the group consisting of methyl mercaptan, ethyl mercaptan, linear and branched propyl mercaptans, linear and branched butyl mercaptans, linear and branched pentyl mercaptans, linear and branched hexyl mercaptans, linear and branched heptyl mercaptans, linear and branched octyl mercaptans, linear and branched nonyl mercaptans, linear and branched decyl mercaptans, linear and branched undecyl mercaptans, linear and branched dodecyl mercaptans, linear and branched tridecyl mercaptans, linear and branched tetradecyl mercaptans, linear and branched pentadecyl mercaptans, linear and branched hexadecyl mercaptans, linear and branched heptadecyl mercaptans, linear and branched octadecyl mercaptans, 3-cyclohexyl-1-propyl mercaptan, 2-cyclohexyl-1-ethyl mercaptan, cyclohexylmethyl mercaptan, cyclohexyl mercaptan, 4-methyl cyclohexyl mercaptan, 4-ethylcyclohexyl mercaptan, 4-t-butylcyclohexyl mercaptan, benzyl mercaptan, phenyl mercaptan, naphthyl mercaptan, hydroabietyl mercaptan, and mixtures thereof.

21. (Original) An ink according to claim 14 wherein the nonchromogenic monohydroxyl alcohol, nonchromogenic monofunctional thiol, nonchromogenic monofunctional amine, or mixture thereof is reacted with the anhydride copolymer in relative amounts of at least about 1.1 moles of anhydride repeat monomer units per every one mole of nonchromogenic monofunctional alcohol, thiol, amine, or mixture thereof.

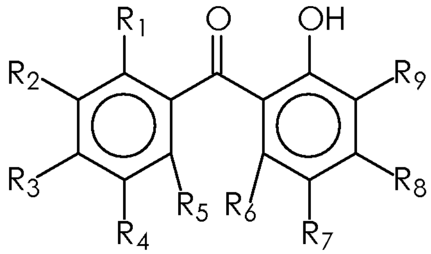
22. (Original) An ink according to claim 14 wherein the nonchromogenic monohydroxyl alcohol, nonchromogenic monofunctional thiol, nonchromogenic monofunctional amine, or mixture thereof is reacted with the anhydride copolymer in relative amounts of no more than about 20 moles of anhydride repeat monomer units per every one mole of nonchromogenic monofunctional alcohol, thiol, amine, or mixture thereof.

23. (Original) An ink according to claim 1 wherein the anhydride-based copolymer also has at least one antioxidant or UV stabilizer moiety covalently bonded thereto.

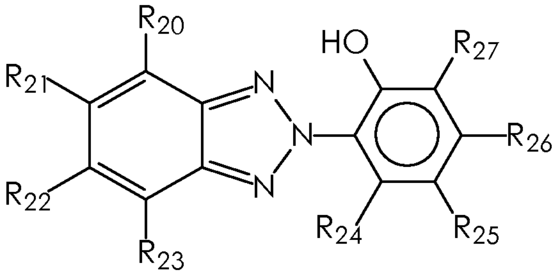
24. (Original) An ink according to claim 24 wherein the antioxidant or UV stabilizer moiety is covalently bonded to the anhydride copolymer by reacting an anhydride copolymer with an antioxidant or UV stabilizer molecule having thereon (A) at least one isocyanate-reactive hydroxyl group and/or (B) at least one isocyanate-reactive primary or secondary amino group.

25. (Original) An ink according to claim 25 wherein the antioxidant or UV stabilizer molecule is selected from the group consisting of hydroxybenzophenones, hydroxybenzotriazines, hindered amines, butylated hydroxytoluenes, diaromatic secondary amines, diphenyl acrylonitrile esters, cinnamates, trisaryl-1,3,5-triazines, and mixtures thereof.

26. (Original) An ink according to claim 25 wherein the antioxidant or UV stabilizer molecule is selected from the group consisting of (1) those of the formula

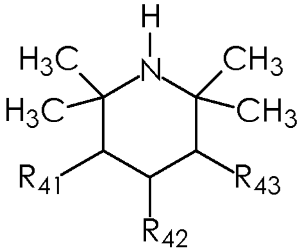


wherein, provided that at least one of R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, and R_9 is an isocyanate-reactive hydroxy group, an isocyanate-reactive amino group, an isocyanate-reactive hydroxy-substituted alkyl group, an isocyanate-reactive amino-substituted alkyl group, an isocyanate-reactive hydroxy-substituted aryl group, an isocyanate-reactive amino-substituted aryl group, an isocyanate-reactive hydroxy-substituted arylalkyl group, an isocyanate-reactive amino-substituted arylalkyl group, an isocyanate-reactive hydroxy-substituted alkylaryl group, an isocyanate-reactive amino-substituted alkylaryl group, an isocyanate-reactive hydroxy-substituted alkoxy group, an isocyanate-reactive amino-substituted alkoxy group, an isocyanate-reactive hydroxy-substituted aryloxy group, an isocyanate-reactive amino-substituted aryloxy group, an isocyanate-reactive hydroxy-substituted arylalkyloxy group, an isocyanate-reactive amino-substituted arylalkyloxy group, an isocyanate-reactive hydroxy-substituted alkylaryloxy group, an isocyanate-reactive amino-substituted alkylaryloxy group, an isocyanate-reactive hydroxy-substituted polyalkyleneoxide group, an isocyanate-reactive amino-substituted polyalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyaryleneoxide group, an isocyanate-reactive amino-substituted polyaryleneoxide group, an isocyanate-reactive hydroxy-substituted polyarylalkyleneoxide group, an isocyanate-reactive amino-substituted polyarylalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyalkylaryleneoxide group, or an isocyanate-reactive amino-substituted polyalkylaryleneoxide group, R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, and R_9 each, independently of the others, is (i) a hydrogen atom, (ii) a hydroxy group, (iii) an amino group of the formula $-NR_{10}R_{11}$, wherein R_{10} and R_{11} each, independently of the others, is a hydrogen atom, an alkyl group as defined for R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, and R_9, an aryl group as defined for R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, and R_9, an arylalkyl group as defined for R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, and R_9, or an alkylaryl group as defined for R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, and R_9, (iv) an alkyl group, (v) an aryl group, (vi) an arylalkyl group, (vii) an alkylaryl group, (viii) an alkoxy group, (ix) an aryloxy group, (x) an arylalkyloxy group, (xi) an alkylaryloxy group, (xii) a polyalkyleneoxy group, (xiii) a polyaryleneoxy group, (xiv) a polyarylalkyleneoxy group, or (xv) a polyalkylaryleneoxy group; (2) those of the formula

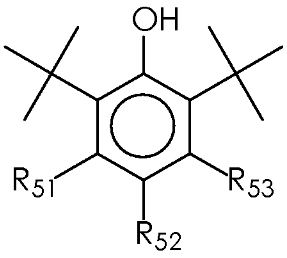


wherein, provided that at least one of R_{20}, R_{21}, R_{23}, R_{23}, R_{24}, R_{25}, R_{26}, and R_{27} is an isocyanate-reactive hydroxy group, an isocyanate-reactive amino group, an isocyanate-reactive hydroxy-substituted alkyl group, an isocyanate-reactive amino-substituted alkyl group, an isocyanate-reactive hydroxy-substituted aryl group, an isocyanate-reactive amino-substituted aryl group, an isocyanate-reactive hydroxy-substituted arylalkyl group, an isocyanate-reactive amino-substituted arylalkyl group, an isocyanate-reactive hydroxy-substituted alkylaryl group, an isocyanate-reactive amino-substituted alkylaryl group, an isocyanate-reactive hydroxy-substituted alkoxy group, an isocyanate-reactive amino-substituted alkoxy group, an isocyanate-reactive hydroxy-substituted aryloxy group, an isocyanate-reactive amino-substituted aryloxy group, an isocyanate-reactive hydroxy-substituted arylalkyloxy group, an isocyanate-reactive amino-substituted arylalkyloxy group, an isocyanate-reactive hydroxy-substituted alkylaryloxy group, an isocyanate-reactive amino-substituted alkylaryloxy group, an isocyanate-reactive hydroxy-substituted polyalkyleneoxide group, an isocyanate-reactive amino-substituted polyalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyaryleneoxide group, an isocyanate-reactive amino-substituted polyaryleneoxide group, an isocyanate-reactive hydroxy-substituted polyarylalkyleneoxide group, an isocyanate-reactive amino-substituted polyarylalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyalkylaryleneoxide group, or an isocyanate-reactive amino-substituted polyalkylaryleneoxide group, R_{20}, R_{21}, R_{23}, R_{23}, R_{24}, R_{25}, R_{26}, and R_{27} each, independently of the others, is (i) a hydrogen atom, (ii) a hydroxy group, (iii) an amino group of the formula $-NR_{28}R_{29}$, wherein R_{28} and R_{29} each, independently of the others, is a hydrogen atom, an alkyl group as defined for R_{20}, R_{21}, R_{23}, R_{23}, R_{24}, R_{25},

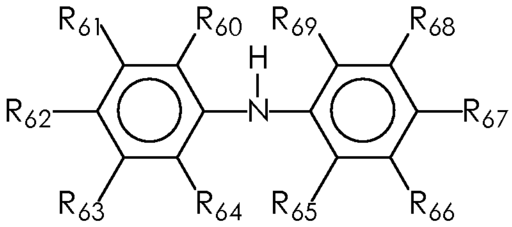
R_{26}, and R_{27}, an aryl group as defined for R_{20}, R_{21}, R_{23}, R_{23}, R_{24}, R_{25}, R_{26}, and R_{27}, an arylalkyl group as defined for R_{20}, R_{21}, R_{23}, R_{23}, R_{24}, R_{25}, R_{26}, and R_{27}, or an alkylaryl group as defined for R_{20}, R_{21}, R_{23}, R_{23}, R_{24}, R_{25}, R_{26}, and R_{27}, (iv) an alkyl group, (v) an aryl group, (vi) an arylalkyl group, (vii) an alkylaryl group, (viii) an alkoxy group, (ix) an aryloxy group, (x) an arylalkyloxy group, (xi) an alkylaryloxy group, (xii) a polyalkyleneoxy group, (xiii) a polyaryleneoxy group, (xiv) a polyarylalkyleneoxy group, or (xv) a polyalkylaryleneoxy group; (3) those of the formula



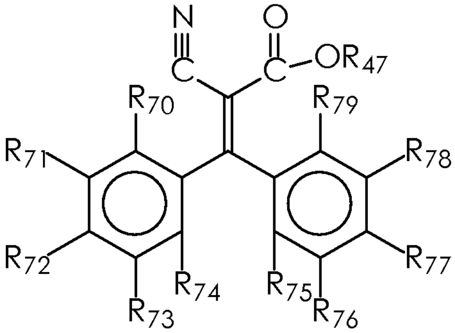
wherein, provided that at least one of R_{41}, R_{42}, and R_{43} is an isocyanate-reactive hydroxy group, an isocyanate-reactive amino group, an isocyanate-reactive hydroxy-substituted alkyl group, an isocyanate-reactive amino-substituted alkyl group, an isocyanate-reactive hydroxy-substituted aryl group, an isocyanate-reactive amino-substituted aryl group, an isocyanate-reactive hydroxy-substituted arylalkyl group, an isocyanate-reactive amino-substituted arylalkyl group, an isocyanate-reactive hydroxy-substituted alkylaryl group, an isocyanate-reactive amino-substituted alkylaryl group, an isocyanate-reactive hydroxy-substituted alkoxy group, an isocyanate-reactive amino-substituted alkoxy group, an isocyanate-reactive hydroxy-substituted aryloxy group, an isocyanate-reactive amino-substituted aryloxy group, an isocyanate-reactive hydroxy-substituted arylalkyloxy group, an isocyanate-reactive amino-substituted arylalkyloxy group, an isocyanate-reactive hydroxy-substituted alkylaryloxy group, an isocyanate-reactive amino-substituted alkylaryloxy group, an isocyanate-reactive hydroxy-substituted polyalkyleneoxide group, an isocyanate-reactive amino-substituted polyalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyaryleneoxide group, an isocyanate-reactive amino-substituted polyaryleneoxide group, an isocyanate-reactive hydroxy-substituted polyarylalkyleneoxide group, an isocyanate-reactive amino-substituted polyarylalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyalkylaryleneoxide group, or an isocyanate-reactive amino-substituted polyalkylaryleneoxide group, R_{41}, R_{42}, and R_{43} each, independently of the others, is (i) a hydrogen atom, (ii) a hydroxy group, (iii) an amino group of the formula $-NR_{44}R_{45}$, wherein R_{44} and R_{45} each, independently of the others, is a hydrogen atom, an alkyl group as defined for R_{41}, R_{42}, and R_{43}, an aryl group as defined for R_{41}, R_{42}, and R_{43}, an arylalkyl group as defined for R_{41}, R_{42}, and R_{43}, or an alkylaryl group as defined for R_{41}, R_{42}, and R_{43}, (iv) an alkyl group, (v) an aryl group, (vi) an arylalkyl group, (vii) an alkylaryl group, (viii) an alkoxy group, (ix) an aryloxy group, (x) an arylalkyloxy group, (xi) an alkylaryloxy group, (xii) a polyalkyleneoxy group, (xiii) a polyaryleneoxy group, (xiv) a polyarylalkyleneoxy group, or (xv) a polyalkylaryleneoxy group; (4) those of the formula



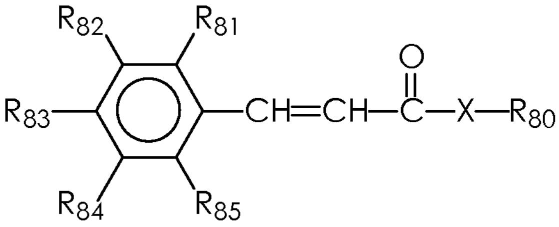
wherein, provided that at least one of R_{51}, R_{52}, and R_{53} is an isocyanate-reactive hydroxy group, an isocyanate-reactive amino group, an isocyanate-reactive hydroxy-substituted alkyl group, an isocyanate-reactive amino-substituted alkyl group, an isocyanate-reactive hydroxy-substituted aryl group, an isocyanate-reactive amino-substituted aryl group, an isocyanate-reactive hydroxy-substituted arylalkyl group, an isocyanate-reactive amino-substituted arylalkyl group, an isocyanate-reactive hydroxy-substituted alkylaryl group, an isocyanate-reactive amino-substituted alkylaryl group, an isocyanate-reactive hydroxy-substituted alkoxy group, an isocyanate-reactive amino-substituted alkoxy group, an isocyanate-reactive hydroxy-substituted aryloxy group, an isocyanate-reactive amino-substituted aryloxy group, an isocyanate-reactive hydroxy-substituted arylalkyloxy group, an isocyanate-reactive amino-substituted arylalkyloxy group, an isocyanate-reactive hydroxy-substituted alkylaryloxy group, an isocyanate-reactive amino-substituted alkylaryloxy group, an isocyanate-reactive hydroxy-substituted polyalkyleneoxide group, an isocyanate-reactive amino-substituted polyalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyaryleneoxide group, an isocyanate-reactive amino-substituted polyaryleneoxide group, an isocyanate-reactive hydroxy-substituted polyarylalkyleneoxide group, an isocyanate-reactive amino-substituted polyarylalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyalkylaryleneoxide group, or an isocyanate-reactive amino-substituted polyalkylaryleneoxide group, R_{51}, R_{52}, and R_{53} each, independently of the others, is (i) a hydrogen atom, (ii) a hydroxy group, (iii) an amino group of the formula $-NR_{54}R_{55}$, wherein R_{54} and R_{55} each, independently of the others, is a hydrogen atom, an alkyl group as defined for R_{51}, R_{52}, and R_{53}, an aryl group as defined for R_{51}, R_{52}, and R_{53}, an arylalkyl group as defined for R_{51}, R_{52}, and R_{53}, or an alkylaryl group as defined for R_{51}, R_{52}, and R_{53}, (iv) an alkyl group, (v) an aryl group, (vi) an arylalkyl group, (vii) an alkylaryl group, (viii) an alkoxy group, (ix) an aryloxy group, (x) an arylalkyloxy group, (xi) an alkylaryloxy group, (xii) a polyalkyleneoxy group, (xiii) a polyaryleneoxy group, (xiv) a polyarylalkyleneoxy group, or (xv) a polyalkylaryleneoxy group; (5) those of the formula



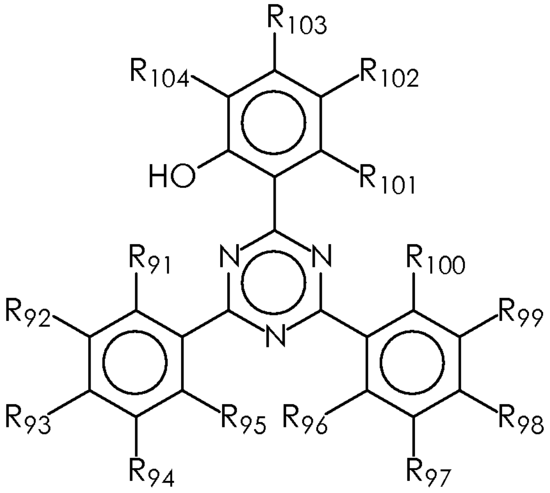
wherein, provided that at least one of R_{60}, R_{61}, R_{62}, R_{63}, R_{64}, R_{65}, R_{66}, R_{67}, R_{68}, and R_{69} is an isocyanate-reactive hydroxy group, an isocyanate-reactive amino group, an isocyanate-reactive hydroxy-substituted alkyl group, an isocyanate-reactive amino-substituted alkyl group, an isocyanate-reactive hydroxy-substituted aryl group, an isocyanate-reactive amino-substituted aryl group, an isocyanate-reactive hydroxy-substituted arylalkyl group, an isocyanate-reactive amino-substituted arylalkyl group, an isocyanate-reactive hydroxy-substituted alkylaryl group, an isocyanate-reactive amino-substituted alkylaryl group, an isocyanate-reactive hydroxy-substituted alkoxy group, an isocyanate-reactive amino-substituted alkoxy group, an isocyanate-reactive hydroxy-substituted aryloxy group, an isocyanate-reactive amino-substituted aryloxy group, an isocyanate-reactive hydroxy-substituted arylalkyloxy group, an isocyanate-reactive amino-substituted arylalkyloxy group, an isocyanate-reactive hydroxy-substituted alkylaryloxy group, an isocyanate-reactive amino-substituted alkylaryloxy group, an isocyanate-reactive hydroxy-substituted polyalkyleneoxide group, an isocyanate-reactive amino-substituted polyalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyaryleneoxide group, an isocyanate-reactive amino-substituted polyaryleneoxide group, an isocyanate-reactive hydroxy-substituted polyarylalkyleneoxide group, an isocyanate-reactive amino-substituted polyarylalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyalkylaryleneoxide group, or an isocyanate-reactive amino-substituted polyalkylaryleneoxide group, R_{60}, R_{61}, R_{62}, R_{63}, R_{64}, R_{65}, R_{66}, R_{67}, R_{68}, and R_{69} each, independently of the others, is (i) a hydrogen atom, (ii) a hydroxy group, (iii) an amino group of the formula $-NR_{58}R_{59}$, wherein R_{58} and R_{59} each, independently of the others, is a hydrogen atom, an alkyl group as defined for R_{60}, R_{61}, R_{62}, R_{63}, R_{64}, R_{65}, R_{66}, R_{67}, R_{68}, and R_{69}, an aryl group as defined for R_{60}, R_{61}, R_{62}, R_{63}, R_{64}, R_{65}, R_{66}, R_{67}, R_{68}, and R_{69}, an arylalkyl group as defined for R_{60}, R_{61}, R_{62}, R_{63}, R_{64}, R_{65}, R_{66}, R_{67}, R_{68}, and R_{69}, or an alkylaryl group as defined for R_{60}, R_{61}, R_{62}, R_{63}, R_{64}, R_{65}, R_{66}, R_{67}, R_{68}, and R_{69}, (iv) an alkyl group, (v) an aryl group, (vi) an arylalkyl group, (vii) an alkylaryl group, (viii) an alkoxy group, (ix) an aryloxy group, (x) an arylalkyloxy group, (xi) an alkylaryloxy group, (xii) a polyalkyleneoxy group, (xiii) a polyaryleneoxy group, (xiv) a polyarylalkyleneoxy group, or (xv) a polyalkylaryleneoxy group; (6) those of the formula



wherein, provided that at least one of R_{47}, R_{70}, R_{71}, R_{72}, R_{73}, R_{74}, R_{75}, R_{76}, R_{77}, R_{78}, and R_{79}, is an isocyanate-reactive hydroxy group, an isocyanate-reactive amino group, an isocyanate-reactive hydroxy-substituted alkyl group, an isocyanate-reactive amino-substituted alkyl group, an isocyanate-reactive hydroxy-substituted aryl group, an isocyanate-reactive amino-substituted aryl group, an isocyanate-reactive hydroxy-substituted arylalkyl group, an isocyanate-reactive amino-substituted arylalkyl group, an isocyanate-reactive hydroxy-substituted alkylaryl group, an isocyanate-reactive amino-substituted alkylaryl group, an isocyanate-reactive hydroxy-substituted alkoxy group, an isocyanate-reactive amino-substituted alkoxy group, an isocyanate-reactive hydroxy-substituted aryloxy group, an isocyanate-reactive amino-substituted aryloxy group, an isocyanate-reactive hydroxy-substituted arylalkyloxy group, an isocyanate-reactive amino-substituted arylalkyloxy group, an isocyanate-reactive hydroxy-substituted alkylaryloxy group, an isocyanate-reactive amino-substituted alkylaryloxy group, an isocyanate-reactive hydroxy-substituted polyalkyleneoxide group, an isocyanate-reactive amino-substituted polyalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyaryleneoxide group, an isocyanate-reactive amino-substituted polyaryleneoxide group, an isocyanate-reactive hydroxy-substituted polyarylalkyleneoxide group, an isocyanate-reactive amino-substituted polyarylalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyalkylaryleneoxide group, or an isocyanate-reactive amino-substituted polyalkylaryleneoxide group, R_{47}, R_{70}, R_{71}, R_{72}, R_{73}, R_{74}, R_{75}, R_{76}, R_{77}, R_{78}, and R_{79} each, independently of the others, can be (i) a hydrogen atom, (ii) a hydroxy group, (iii) an amino group of the formula $-NR_{48}R_{49}$, wherein R_{48} and R_{49} each, independently of the others, is a hydrogen atom, an alkyl group as defined for R_{47}, R_{70}, R_{71}, R_{72}, R_{73}, R_{74}, R_{75}, R_{76}, R_{77}, R_{78}, and R_{79}, an aryl group as defined for R_{47}, R_{70}, R_{71}, R_{72}, R_{73}, R_{74}, R_{75}, R_{76}, R_{77}, R_{78}, and R_{79}, an arylalkyl group as defined for R_{47}, R_{70}, R_{71}, R_{72}, R_{73}, R_{74}, R_{75}, R_{76}, R_{77}, R_{78}, and R_{79}, or an alkylaryl group as defined for R_{47}, R_{70}, R_{71}, R_{72}, R_{73}, R_{74}, R_{75}, R_{76}, R_{77}, R_{78}, and R_{79}, and further wherein R_{47}, R_{70}, R_{71}, R_{72}, R_{73}, R_{74}, R_{75}, R_{76}, R_{77}, R_{78}, and R_{79} each, independently of the others, can be (iv) an alkyl group, (v) an aryl group, (vi) an arylalkyl group, (vii) an alkylaryl group, (viii) an alkoxy group, (ix) an aryloxy group, (x) an arylalkyloxy group, (xi) an alkylaryloxy group, (xii) a polyalkyleneoxy group, (xiii) a polyaryleneoxy group, (xiv) a polyarylalkyleneoxy group, or (xv) a polyalkylaryleneoxy group; (7) those of the formula

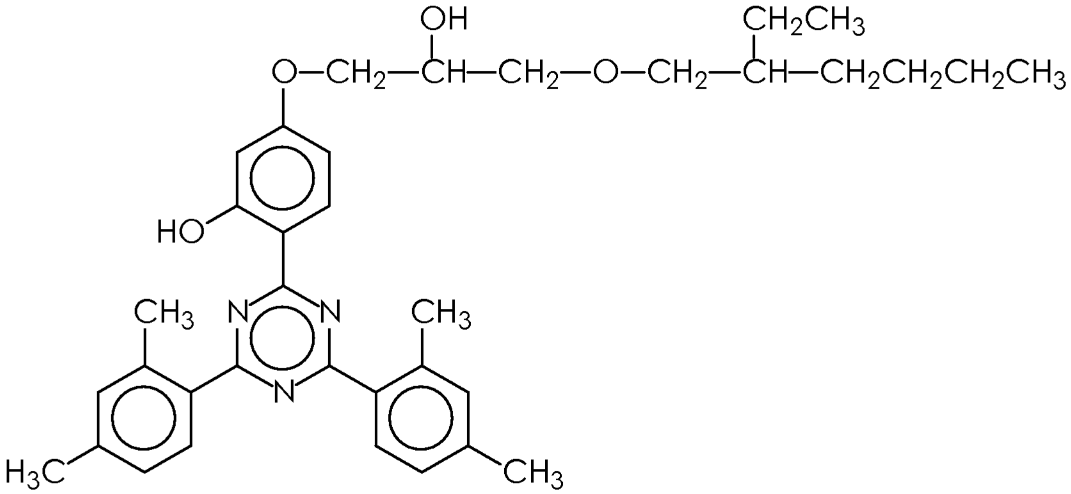


wherein, provided that at least one of R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85} is an isocyanate-reactive hydroxy group, an isocyanate-reactive amino group, an isocyanate-reactive hydroxy-substituted alkyl group, an isocyanate-reactive amino-substituted alkyl group, an isocyanate-reactive hydroxy-substituted aryl group, an isocyanate-reactive amino-substituted aryl group, an isocyanate-reactive hydroxy-substituted arylalkyl group, an isocyanate-reactive amino-substituted arylalkyl group, an isocyanate-reactive hydroxy-substituted alkylaryl group, an isocyanate-reactive amino-substituted alkylaryl group, an isocyanate-reactive hydroxy-substituted alkoxy group, an isocyanate-reactive amino-substituted alkoxy group, an isocyanate-reactive hydroxy-substituted aryloxy group, an isocyanate-reactive amino-substituted aryloxy group, an isocyanate-reactive hydroxy-substituted arylalkyloxy group, an isocyanate-reactive amino-substituted arylalkyloxy group, an isocyanate-reactive hydroxy-substituted alkylaryloxy group, an isocyanate-reactive amino-substituted alkylaryloxy group, an isocyanate-reactive hydroxy-substituted polyalkyleneoxide group, an isocyanate-reactive amino-substituted polyalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyaryleneoxide group, an isocyanate-reactive amino-substituted polyaryleneoxide group, an isocyanate-reactive hydroxy-substituted polyarylalkyleneoxide group, an isocyanate-reactive amino-substituted polyarylalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyalkylaryleneoxide group, or an isocyanate-reactive amino-substituted polyalkylaryleneoxide group, (a) X is (i) an oxygen atom, (ii) a sulfur atom, (iii) a group of the formula $-NR_{86}-$, wherein R_{86} is an alkyl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, an aryl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, an arylalkyl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, or an alkylaryl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, or (iv) a group of the formula $-CR_{87}R_{57}-$, wherein R_{87} and R_{57} each, independently of the others, is a hydrogen atom, an alkyl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, an aryl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, an arylalkyl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, or an alkylaryl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, and (b) R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85} each, independently of the others, is (i) a hydrogen atom, (ii) a hydroxy group, (iii) an amino group of the formula $-NR_{88}R_{89}$, wherein R_{88} and R_{89} each, independently of the others, is a hydrogen atom, an alkyl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, an aryl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, an arylalkyl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, or an alkylaryl group as defined for R_{80}, R_{81}, R_{82}, R_{83}, R_{84}, and R_{85}, (iv) an alkyl group, (v) an aryl group, (vi) an arylalkyl group, (vii) an alkylaryl group, (viii) an alkoxy group, (ix) an aryloxy group, (x) an arylalkyloxy group, (xi) an alkylaryloxy group, (xii) a polyalkyleneoxy group, (xiii) a polyaryleneoxy group, (xiv) a polyarylalkyleneoxy group, or (xv) a polyalkylaryleneoxy group; (8) those of the formula



wherein, provided that at least one of R_{91}, R_{92}, R_{93}, R_{94}, R_{95}, R_{96}, R_{97}, R_{98}, R_{99}, R_{100}, R_{101}, R_{102}, R_{103}, and R_{104} is an isocyanate-reactive hydroxy group, an isocyanate-reactive amino group, an isocyanate-reactive hydroxy-substituted alkyl group, an isocyanate-reactive amino-substituted alkyl group, an isocyanate-reactive hydroxy-substituted aryl group, an isocyanate-reactive amino-substituted aryl group, an isocyanate-reactive hydroxy-substituted arylalkyl group, an isocyanate-reactive amino-substituted arylalkyl group, an isocyanate-reactive hydroxy-substituted alkylaryl group, an isocyanate-reactive amino-substituted alkylaryl group, an isocyanate-reactive hydroxy-substituted alkoxy group, an isocyanate-reactive amino-substituted alkoxy group, an isocyanate-reactive hydroxy-substituted aryloxy group, an isocyanate-reactive amino-substituted aryloxy group, an isocyanate-reactive hydroxy-substituted arylalkyloxy group, an isocyanate-reactive amino-substituted arylalkyloxy group, an isocyanate-reactive hydroxy-substituted alkylaryloxy group, an isocyanate-reactive amino-substituted alkylaryloxy group, an isocyanate-reactive hydroxy-substituted polyalkyleneoxide group, an isocyanate-reactive amino-substituted polyalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyaryleneoxide group, an isocyanate-reactive amino-substituted polyaryleneoxide group, an isocyanate-reactive hydroxy-substituted polyarylalkyleneoxide group, an isocyanate-reactive amino-substituted polyarylalkyleneoxide group, an isocyanate-reactive hydroxy-substituted polyalkylaryleneoxide group, or an isocyanate-reactive amino-substituted polyalkylaryleneoxide group, R_{91}, R_{92}, R_{93}, R_{94}, R_{95}, R_{96}, R_{97}, R_{98}, R_{99}, R_{100}, R_{101}, R_{102}, R_{103}, and R_{104} each, independently of the others, is (i) a hydrogen atom, (ii) a hydroxy group, (iii) an amino group of the formula $-NR_{105}R_{106}$, wherein R_{105} and R_{106} each, independently of the others, is a hydrogen atom, an alkyl group as defined for R_{91}, R_{92}, R_{93}, R_{94}, R_{95}, R_{96}, R_{97}, R_{98}, R_{99}, R_{100}, R_{101}, R_{102}, R_{103}, and R_{104}, an aryl group as defined for R_{91}, R_{92}, R_{93}, R_{94}, R_{95}, R_{96}, R_{97}, R_{98}, R_{99}, R_{100}, R_{101}, R_{102}, R_{103}, and R_{104}, an arylalkyl group as defined for R_{91}, R_{92}, R_{93}, R_{94}, R_{95}, R_{96}, R_{97}, R_{98}, R_{99}, R_{100}, R_{101}, R_{102}, R_{103}, and R_{104}, or an alkylaryl group as defined for R_{91}, R_{92}, R_{93}, R_{94}, R_{95}, R_{96}, R_{97}, R_{98}, R_{99}, R_{100}, R_{101}, R_{102}, R_{103}, and R_{104}, (iv) an alkyl group, (v) an aryl group, (vi) an arylalkyl group, (vii) an alkylaryl group, (viii) an alkoxy group, (ix) an aryloxy group, (x) an arylalkyloxy group, (xi) an alkylaryloxy group, (xii) a polyalkyleneoxy group, (xiii) a polyaryleneoxy group, (xiv) a polyarylalkyleneoxy group, or (xv) a polyalkylaryleneoxy group; and (9) mixtures thereof.

27. (Original) An ink according to claim 25 wherein the antioxidant or UV stabilizer molecule is selected from the group consisting of 2,4-dihydroxybenzophenone, 2,2',4,4'-tetrahydroxybenzophenone, 2,4,4'-trihydroxybenzophenone, 3-(2H-benzotriazol-2-yl)-4-hydroxyphenethyl alcohol, 2-(2H-benzotriazol-2-yl)-4-(1-hydroxyethyl) phenol, 2,2,6,6-tetramethyl-4-piperidinol, 7,7,9,9-tetramethyl-1,4-dioxa-8-azaspiro[4.5]decane-2-methanol, 2,2,6,6-tetramethyl-4-piperidinamine, 2,6-di-tert-butyl-4-hydroxymethylphenol, 3,5-di-tert-butyl-4-hydroxybenzoic acid, 4,4'-diaminophenylamine, N-phenyl-1,4-phenylenediamine, 3-phenyl-3-(p-hydroxyphenyl)-2-carboxyethyl-acrylonitrile, 4-methoxy cinnamic acid, a compound of the formula



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and mixtures thereof.

28. (Original) An ink according to claim 25 wherein the antioxidant or UV stabilizer molecule and the anhydride copolymer are present in relative amounts of at least about 1.1 moles of anhydride repeat monomer units per every one mole of antioxidant or UV stabilizer molecule.

29. (Original) An ink according to claim 25 wherein the antioxidant or UV stabilizer molecule and the anhydride copolymer are present in relative amounts of no more than about 20 moles of anhydride repeat monomer units per every one mole of antioxidant or UV stabilizer molecule.

30. (Original) An ink according to claim 1 wherein the colorant is present in the ink in an amount of at least about 1 percent by weight of the ink.

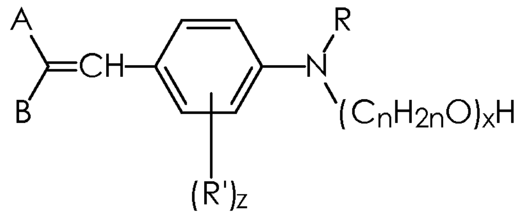
31. (Original) An ink according to claim 1 wherein the colorant is present in the ink in an amount of no more than about 99 percent by weight of the ink.

32. (Cancelled)

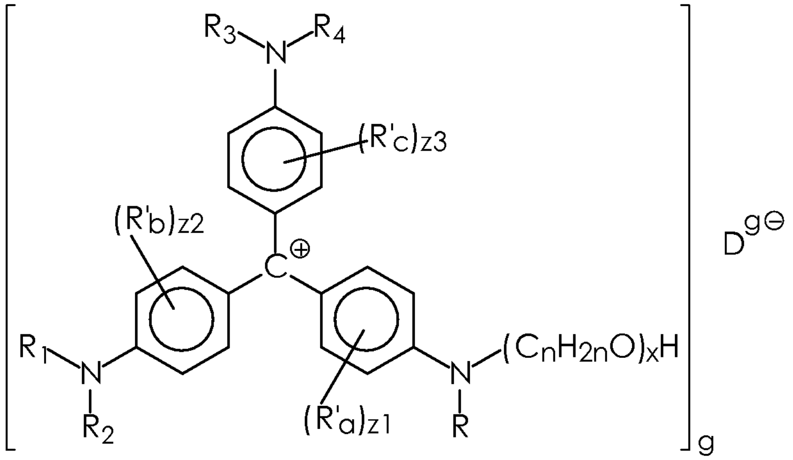
33. (Original) An ink according to claim 1 further comprising a base.

34. (Original) An ink according to claim 34 wherein the base is lithium hydroxide, sodium hydroxide, potassium hydroxide, ammonia, triethylamine, triethanolamine, quaternary ammonium hydroxides, or mixtures thereof.

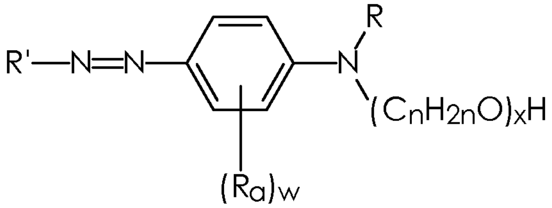
35. (Currently Amended) An ink composition comprising (a) an aqueous liquid vehicle, and (b) a colorant which is the reaction product of (1) an anhydride copolymer, (2) a chromogenic compound having one and only one group per molecule selected from the group consisting of -OH, -SH, primary amino, and secondary amino, and (3) a material selected from the group consisting of nonchromogenic monofunctional alcohols, nonchromogenic monofunctional thiols, nonchromogenic monofunctional primary or secondary amines, and mixtures thereof, said colorant being soluble or dispersible in the aqueous liquid vehicle, wherein the ink has a viscosity at about 25°C of no more than about 10 centipoise, wherein the chromogenic compound is (a) of the formula



wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule; (b) chromogenic compounds of the formula



wherein R, R_1, R_2, R_3, and R_4 each, independently of the others, is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R, R_1, R_2, R_3, and R_4 each can be joined to a phenyl moiety to form a ring, each R'_a, R'_b, and R'_c, independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z_1, z_2, and z_3 each, independently of the others, is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, D is an anion, and g is the charge on the anion, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule; (c) chromogenic compounds of the formula



wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, R' is an aromatic- or heteroaromatic-containing group, each R_a, independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, w is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, and x is an integer representing the number of repeat alkylene oxide units, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule; (d) Disperse Red 13, Disperse Blue 34, Disperse Red 156, Disperse Red 90, Disperse Blue 85, Disperse Blue 8, Disperse Red 91, Disperse Red 55, Disperse Red 1, Disperse Blue 3, Basic Blue 41, Disperse Red 8, Disperse Red 98, Disperse Red 109, and Disperse Red 97; or (e) mixtures thereof.

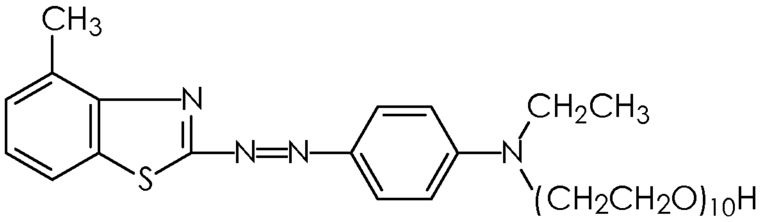
36. (Original) A process which comprises applying an ink composition according to claim 1 to a recording substrate in an imagewise pattern.

37. (Original) A process which comprises incorporating into an ink jet printing apparatus an ink composition according to claim 1 and causing droplets of the inks to be ejected in an imagewise pattern onto a recording substrate.

38. (Original) A process according to claim 38 wherein the printing apparatus employs a thermal ink jet process wherein the ink in the nozzles is selectively heated in an imagewise pattern, thereby causing droplets of the ink to be ejected in imagewise pattern.

39. (Original) A process according to claim 38 wherein the printing apparatus employs a piezoelectric ink jet process wherein droplets of the ink are caused to be ejected in imagewise pattern by oscillations of piezoelectric vibrating elements.

40. (New) An ink composition according to claim 35 wherein the chromogenic compound is



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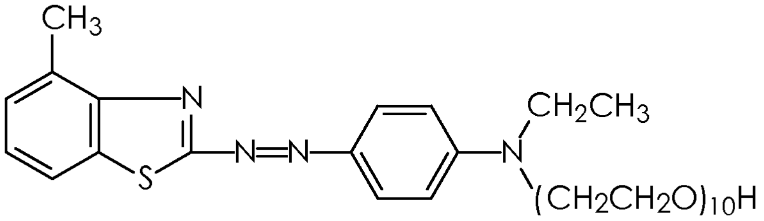

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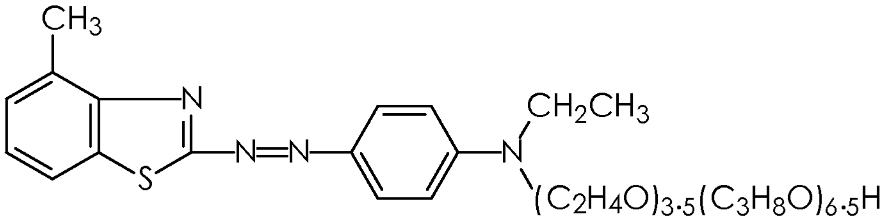

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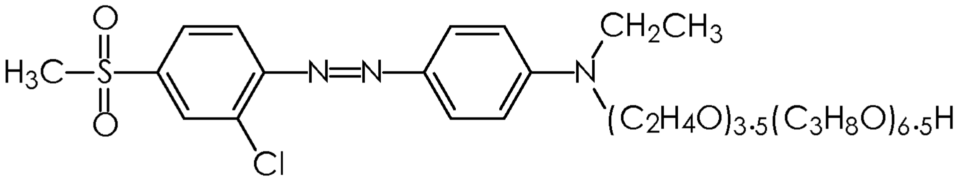

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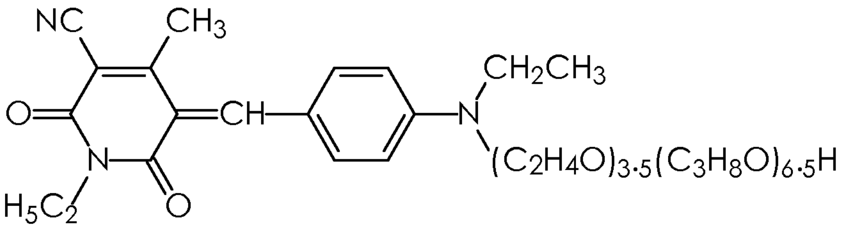

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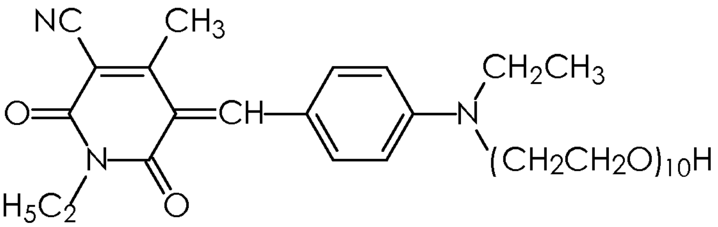

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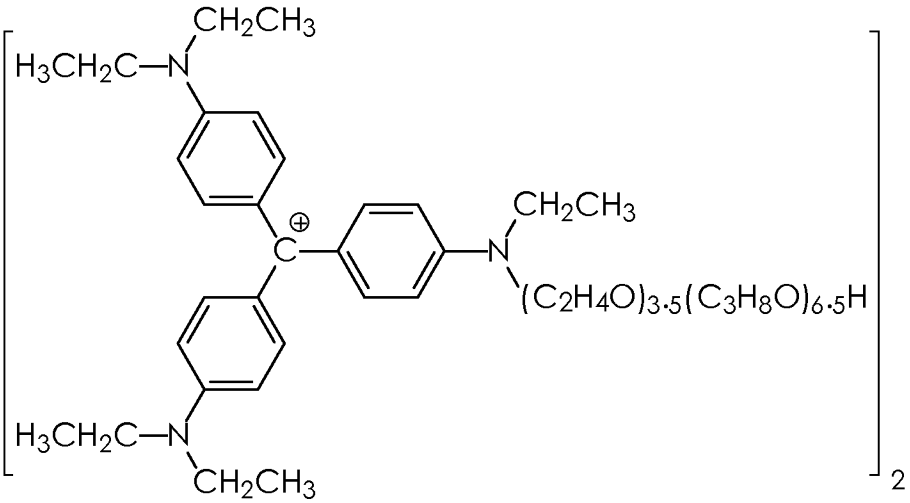

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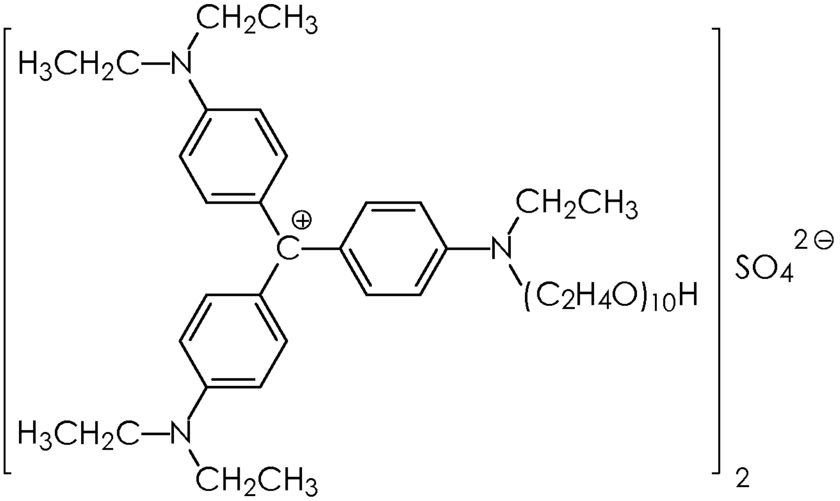

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or mixtures thereof.